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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/892,825	06/27/2001	Raymond F. Ayala	NORTH-451A/A-2354

CONFIRMATION NO. 4756

FORMALITIES LETTER



OC000000006342194

Terry J. Anderson, Esq.
NORTHROP GRUMMAN CORPORATION
1840 Century Park East
Los Angeles, CA 90067-2199

Date Mailed: 07/25/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

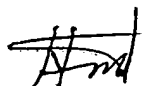
The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);
 - Drawings must be in dark ink (not pencil), except where color drawings or photographs are permitted.

10/22/2001 SLUANG1 00000010 141325 09892825

01 FC:105 130.00 CH

*A copy of this notice **MUST** be returned with the reply.*



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Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

105260-52326860



PTO/SB/21 (6-98)

Approved for use through 09/30/2000. OMB 0651-0031
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/892,825	
	Filing Date	06/27/01	
	First Named Inventor	Raymond F. Ayala	
	Group Art Unit	Unknown	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	40	Attorney Docket Number	NORTH-451A/A-2354

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form (IN DUPLICATE) <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Charge Any Additional Fee Required, to Deposit Account No. 14-1325 <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Assignment Papers (for an Application) <input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69 and Accompanying Petition) <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <i>Declaration; Return Postcard and Express Mailing Certificate.</i>
REMARKS:		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual Name	Marlene Klein
Signature	<i>Marlene Klein</i>
Date	September 25, 2001

CERTIFICATE OF MAILING (Express)			
I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: <u>September 25, 2001</u>			
Typed or printed name	Dawn L. Mangino		
Signature	<i>Dawn L. Mangino</i>	Date	09/25/01

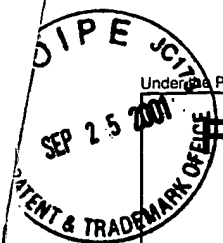
† SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231

#3

PTO/SB/17 (09-00)

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FEE TRANSMITTAL for FY 2001 Patent fees are subject to annual revision.		Complete if Known	
		Application Number	09/892,825
		Filing Date	06/27/01
		First Named Inventor	Raymond F. Ayala
		Examiner Name	
TOTAL AMOUNT OF PAYMENT	(\$) 170.00	Group Art Unit	
		Attorney Docket No.	NORTH-451A/A-2354

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																																	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number <u>14-1325</u> Deposit Account Name <u>Northrop Grumman Corporation</u> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td>\$130.00</td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge -late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116 390</td><td>216 195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117 890</td><td>217 445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118 1,390</td><td>218 695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128 1,890</td><td>228 945</td><td>Extension for reply within fifty month</td><td></td></tr> <tr><td>119 310</td><td>219 155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 310</td><td>220 155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 270</td><td>221 135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive-unavoidable</td><td></td></tr> <tr><td>141 1,240</td><td>241 620</td><td>Petition to revive-unintentional</td><td></td></tr> <tr><td>142 1,240</td><td>242 620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 440</td><td>243 220</td><td>Design issue fee</td><td></td></tr> <tr><td>144 600</td><td>244 300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581 40</td><td>5 81 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146 710</td><td>246 355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149 710</td><td>249 355</td><td>For each additional invention to be examined</td><td></td></tr> <tr><td>179 710</td><td>279 355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169 900</td><td>169 900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr><td colspan="3">* Reduced by Basic Filing Fee Paid</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (3)</td><td>\$ 170.00</td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - 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**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY:

Complete (if applicable)

Name (Print/Type)	Marlene Klein	Registration No. Attorney/Agent	43,718	Telephone	(949) 855-1246
Signature	<i>Marlene Klein</i>			Date	09/25/01

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ATTORNEY DOCKET:
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TRADEMARK OFFICE
Washington, D.C. 20231

on September 25, 2001
(Date)

Dawn L Mangino
Signature

Dawn L. Mangino

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

1. TRANSMITTAL FORM of 1 page;
2. Fee Transmittal for FY 2001 (1 pg) (in duplicate);
3. NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION of 2 pages;
4. CORRECTED Drawings (18 pgs);
5. DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION of 4 pages;
6. RECORDATION FORM COVER SHEET PATENTS ONLY Form PTO-1595 of 1 page with 1 ADDED SHEET (in duplicate);
7. 4 ASSIGNMENTS of 2 pages each; and
8. Return Postcard to acknowledge receipt.